

AMENDMENTS TO THE CLAIMS

1. (currently amended): A process for preparing an α -aminonitrile with enhanced optical purity which process comprises
 - contacting a mixture of the enantiomers of a chiral α -aminonitrile with an acylase selective for one of the enantiomers,
 - wherein said mixture is in the N-formyl form so that one of the enantiomers of the said α -aminonitrile is selectively deformylated to obtain the unprotected corresponding unprotected α -aminonitrile; or
 - ~~wherein said mixture is in the unprotected form and a formylating agent is provided so that one of the enantiomers is selectively converted to the corresponding N-formyl α -aminonitrile.~~
2. (canceled)
3. (previously presented): The process of claim 1 wherein the formylating agent is formic acid, a formic acid amide or a formic acid ester.
4. (previously presented): The process of claim 1, wherein the acylase is a peptide deformylase having a bivalent metal ion cofactor from group 5-11 of the periodic system.
5. (currently amended): The process of ~~claim 1~~ claim 4, wherein the peptide deformylase is of the class EC 3.5.2.27 or EC 3.5.1.31.
6. (currently amended): The process of ~~claim 1~~ claim 4, wherein the peptide deformylase contains the sequences (I) HEXXH, (ii) EGCLS and (iii) GXGXAAQ.
7. (previously presented): The process of claim 4, wherein the peptide deformylase is from *Escherichia coli*.

8. (previously presented): The process of claim 4, wherein the bivalent metal is Fe, Ni, Mn or Co.
9. (previously presented): The process of claim 8, wherein the bivalent metal is Ni.
10. (previously presented): The process of claim 1, which further comprises adding a stabilisation agent.
11. (previously presented): The process of claim 10 wherein the stabilisation agent is catalase.
12. (previously presented): The process of claim 10 wherein the bivalent metal is Fe.
- 13-21. (canceled)